in September lt>94. Specific Projects to be taken up under thi$_s$ Agreement are yet to be finalised.

(d) Proposals for Joint Projects ar$_e$ under consideration with regard to mutual interest and feasibility.

Launch of PSLV-II

448. DR. SHRIKANT RAMCHAN-DRA JICHKAR; Will the PRIME MINISTER be pleased to state:

(a) what are the salient features of the launch of the PSLV-II;

(b) whether the launch took place as expected or it deviated from the expectation and if so, to what extent; and

(c) what would be the applied benefits of this satellite?

THE MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE AND MINISTER OF STATE IN THE MIN. ISTRY OF SCIENCE & TECHNO-LOGY AND MINISTER OF STATE IN THE DEPARTMENTS OF ATOMIC ENERGY AND SPACE! (SHRI BHUVNESH CHATURVEDI); (a) and (b) The obective of PSLV D2 was to evaluate the vehicle systems in flight and inject 804 kg. IRS-P2 satellite into a polar sun-synchronous orbit- PSLV employs both solid and liquid propellant systems and sophisticated initial navigation systems. The 44$_m$ tall fou$_r$ stage PSLV has a take-off weight of 283 tonnes. The first stage solid motor is the third, largest of its class in the world. The second and fourth liquid stages were flown for the first tim$_e$ in USLV. The third stage is an advanced solid motor employing composite motor case. PSLV uses a variety of complex systems and aerospace mechanisms. The performance of tht launch vehicle was as predicted and the satellite was injected into the desired orbit.

(c) The Indian Remote Sensing (IRS-P2) Sattffite, launched by the Polar Satellite Launch Vehicle (PSLV-D2), 5s fully operational and the data Ifrom the satellite is used in conjunction with the data available from other Mian Remote Sensing Satellites. IRS-IA & IB. Specifically, IRS.P2 is providing continuity of date services to the user community and its data issued in many of the natural resources survey and management projects. Also, IRS-P2, along with IRS-IA & IB, has been providing data coverage of the country with a com. bintd repetitivity of 7-8 days and thus has enhanced the capability of monitoring dynamic changes.

Monitoring of IRS Satellite from Mauritus-based station

419. SHRI SURINDER KUMAR SINGLA:

DR. SHRIKANT RAMCHAN, DRA JICHKAR:

Will the PRIME MINISTER b$_e$ pleased to state:

(a) in what manner the Satellite Control station, located in Mauritius to regularly track ad monitor the Indian Remote Sensing Satellite io functioning;

(b) what is then amount of money we are spending on this Centre;

(c) the purpose of locating the Centre in Mauritius; and

(d) what is the extent of coopera tion the Govtrnment of Mauritius is extending in this regard?

THE MINISTER OF STATE IN PRIME MINISTER'S OFFICE AND MINISTER OF STATE IN THE MIN. ISTRY OF SCIENCE & TECHNO-LOGY AND MINISTER OF S1ATE IN THE DEPARTMENTS OF ATOMIC ENERGY AND SPACE (SHRI BHUVNESH CHATURVEDI): (a) The Satellite Telemetry, Tracking and Command station at Mauritius is providing very good support Sor the Indian Remote Sensing Satellites

(b) The budget allocation for the maintenance of the station 1n 1994-95 is Rs. 95 lakhs.

(c) Mauritius is geographically well suited for moitoring Indian Re mote Sensing (IRS) satellites.

vi> The Government of Mauritius .. ded ite full cooperation by providing the land &i'i other facilities ior India to set up this station.

Data of IBS Satellite

450. SHBIT. VENKATRA BUDDY:

DR. SHRIKANT RAM-CHANDRA JICHKAR:

Will the PRIME MINISTER be pleased to state:

(a) whether the data collected from the IRS Satellite and used &r agricultural and allied purposes -would be supplied to Members of Parliament in an easily understand.ible from, so that they can publicise its good uses;

(b) what are the publications available with regard to this data; and

(c) where these publications are available?

THE MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE AND MINISTER OF STATE IN THE MINISTRY OF SCIENCE & TECHNOLOGY AND MINISTER OF STATE IN THE DEPARTMENT OF ATOMIC ENERGY AND SPACE (SHRI BHUVNESH CHATURVEDI): (a) Yes, Sir, The Department of Space will be pleased to furnish to tfte Hon'ble Members of Parliament to necessary are specific information tion on demand

(b) Ihe publication^ available with regard to indian Remote Sensing viRS) data are:

1. Brochure on Indian Remote Sensing Satellite Data Products and ■ *?.s* published by the National Remote Sensing Agency (NRSA), Hyderabad.

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2. Interface: A periodical Bulletin *tiom* the NRSA Data Centre.

3 IRS Application Appraisal Cards published by the NRSA Data Centre

i i'.cmote Sensing Application Notes on various topics published by National ResourtJs Management System (NNRMS) of tne Department or Space

b. Space India—a periodical from Indian Space Rosea mi Organisation (ISRO).

6. Brochure on Natural Resource Management: A New Perspecfiye.

7. Special Issue of Current Science Journal Vol. 61 No. 3 & 4 dated August 25, 1991-.—-Remote Sensing for National Development-brought out by the Indian Academy of Sciences.

3. NNRMS Bulletin—on yearly publication by NNRMS of Department of Space.

(c) The above publications are available at the following address and can be obtained on specific requests:-

Department of Space
ISRO Headquarters
Antariksh Bhavan
New BEL Road
Bangalore—560 094.

Space Debiis

451. SHRI V. NARAYANASAMJY:
SHRI AJIT R K. JOGI:

Will the PRIME MINISTER be pleased to state:

U) whether India hag mode global efforts to reduce the space debris;

(b) if so, the reaction of the countries involved in the space programmes;

nether a Uni-Space conference is proposed to be called in this regard; and

• if so, when it is likely to take place and the names of countries invited for this meeting?